

Notice of Allowability

Application No.

09/635,847

Examiner

Nelson D. Hernández

Applicant(s)

KONISHI ET AL.

Art Unit

2622

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendments filed on August 30, 2007.
2. ☒ The allowed claim(s) is/are 1-15 and 17-44 (Renumbered as 1-43).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


LIN YE
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

Response to Amendment

1. The Examiner acknowledges the amended claims filed on August 30, 2007.

Claims 1, 2, 7, 9, 10, 14 and 17 have been amended. **Claim 16** has been canceled.

Allowable Subject Matter

2. **Claims 1-15 and 17-44** (Renumbered as 1-43) are allowed.
3. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 1, the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the element of the present claim, that each of said plurality of image processors performs image processing on the first image signal where each image processor performs a different type of processing from every other image processor, the type of processing being selected from a group consisting of a change of brightness, a change of gradation change characteristics, a correction of a color temperature, a change of saturation, a change of a contour, and a change of a black level of the first image signal stored in said first memory.

Regarding claim 7 (Renumbered as 13), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the element of the present claim, that each of said plurality of image

processors performs image processing on the first image signal where each image processor performs a different type of processing from every other image processor, the type of processing being selected from a group consisting of a change of brightness, a change of gradation change characteristics, a correction of a color temperature, a change of saturation, a change of a contour, and a change of a black level of the first image signal stored in said first memory.

Regarding claim 9 (Renumbered as 21), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the element of the present claim, performing a plurality of image processing on the stored first image signal, each of said plurality of image processing is performed according to parameters of image processing different from each other to produce the plurality of second image signals, wherein the parameters of image processing are selected from a group including gain, gradation control, luminance- chrominance, edge enhancement, and saturation emphasis.

Regarding claim 10 (Renumbered as 26), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the element of the present claim, that the plurality of image processors including types and parameters of the image processing such that at least one of the types and parameters of the image processing are different between said plurality of image processors, the types of image processing including at least one selected from a group consisting of a change of brightness, a change of gradation change characteristics, a correction of a color temperature, a change of saturation, a change of

a contour, and a change of a black level of the first image signal stored in said first memory.

Regarding claim 14 (Renumbered as 32), the main reason for indication of allowable subject matter is because the prior art fails to teach or reasonably suggest, including all the element of the present claim, performing a plurality of image processing on the first image data, each of said plurality of image processing is performed according to parameters of image processing different from each other to produce the plurality of second image data; wherein a combination of imaging parameters and values applied to generate each second image data is unique for each second image data among the plurality of second image data, the parameters of image processing selected from a group including gain, gradation control, luminance-chrominance, edge enhancement, and saturation emphasis.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nelson D. Hernández whose telephone number is (571) 272-7311. The examiner can normally be reached on 9:30 A.M. to 6:00 P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached on (571) 272-7372. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nelson D. Hernández
Examiner
Art Unit 2622

NDHH
November 21, 2007


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SUPERVISORY PATENT EXAMINER